# WELCOME



# U.S. Department of Energy's Office of Science

# State of the DOE Atmospheric Science Program

FY 2008 ASP Science Team Meeting February 25-28, 2008 Annapolis, MD

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February 25, 2008



## What I'll really talk about

- Some DOE HQ news
- New investigators and projects
- New opportunities
- Some thoughts and requests



# DOE HQ news: new BER AD!

#### Effective 3/5/2008:

Dr. Anna Palmisano has been appointed the Associate Director of Science for Biological and Environmental Research

Dr. Jerry Elwood resumes his duties as Head of (only!) the Climate Change Research Division



#### Distribution of Awards



Laboratory Studies – 2 New, 5 Renew

Field Studies – 1 New, 2 Renew

Modeling – 2 New, 1 Renew

Measurement/Instrument Development – 1 Renew



# New investigators



- "Optical Properties of Moderately-Absorbing Organic and Mixed Organic/Inorganic Particles at Very High Humidities" Tami Bond, UIUC
- "Laboratory Studies of the Reactive Chemistry and Changing CCN Properties of Secondary Organic Aerosol, Including Model Development" – Scot Martin, Harvard
- "Measurements of Black Carbon Particles in the ISDAC Program" Gregory Kok, DMT



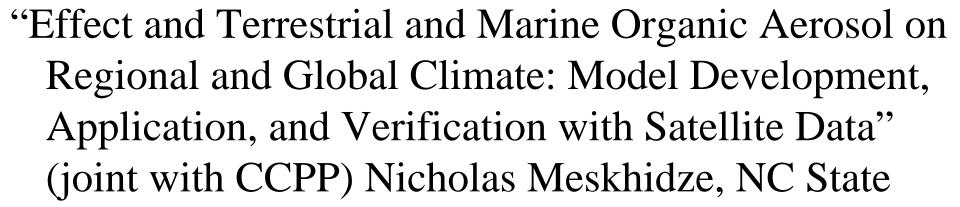
## New investigators



- "Study of Cloud Processing of Organic Aerosols
  Using Models and CHAPS Data" Barbara Ervens,
  U Colorado
- "Process Models of the Equilibrium Size & State of Organic/Inorganic Aerosols for the Development of Large Scale Atmospheric Models & the Analysis of Field Data" Anthony Wexler, California Davis



# New investigators - sorta







- "Growth Rates of Freshly Nucleated Particles" Peter McMurry, U Minnesota
- "Mechanisms of Formation of Secondary Organic Aerosols and Implications for Global Radiative Forcing" – John Seinfeld, Caltech
- "Laboratory Experiments and Instrument Development for the Study of Atmospheric Aerosols" – Paul Davidovits, Boston College





"Formation of Secondary Organic Aerosols (SOA) via Nitrate Ion Photochemistry In and On Particles" – Barbara Finlayson-Pitts, California-Irvine





- "Natural Radionuclides and Isotopic Signatures for Determining Carbonaceous Aerosol Sources, Aerosol Lifetimes, and Washout Processes" – Jeff Gaffney, Arkansas – Little Rock
- "Characterizing Aerosol Distributions and Optical Properties Using the NASA Langley Airborne High Spectral Resolution Lidar (HSRL)" – Chris Hostetler, NASA LaRC





- "Secondary Organic Aerosols: Detailed Modeling and Comparison with MILAGRO Observations"
  - Sasha Madronich, NCAR
- "Optical Properties and Mass Measurements of Representative Aerosols" – Suzanne Paulson, UCLA